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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/888,302	0/888,302 06/21/2001		Jeff E. Blackwood	5201-24200 01-006	9532
. 7	590	08/19/2003			
Gary B. Goates				EXAMINER	
LSI Logic Corporation 1551 McCarthy Blvd.				NGUYEN, VINH P	
MS D-106 Milpitas, CA 95035				ART UNIT	PAPER NUMBER
				2829	***************************************

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
		09/888,302 BLACKWOOD, JEFF E.		
(**	Office Action Summary	Examiner	Art Unit	
		VINH P NGUYEN	2829	
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence address	
A SH THE - Exte after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	obtain the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed  ys will be considered timely. I the mailing date of this communication.	
Status				
1)⊠	Responsive to communication(s) filed on 30 J			
2a) ☐	,	s action is non-final.		
3)□ Dispositi	Since this application is in condition for allowa closed in accordance with the practice under <i>E</i> on of Claims	nce except for formal matters, page 1935 C.D. 11, 4	rosecution as to the merits is 453 O.G. 213.	
4) 🖾	Claim(s) 1-20 is/are pending in the application.			
	4a) Of the above claim(s) is/are withdraw	n from consideration.		
5)⊠	Claim(s) 1-6,8 and 9 is/are allowed.			
6)⊠	Claim(s) 7,10-20 is/are rejected.			
7)	Claim(s) is/are objected to.			
	Claim(s) are subject to restriction and/or on Papers	election requirement.		
9) 🗌 -	The specification is objected to by the Examiner.			
10) 🗌 🗆	The drawing(s) filed on is/are: a)☐ accept	ed or b) objected to by the Exa	miner.	
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. So	ee 37 CFR 1.85(a).	
11) 🔲 🛚	The proposed drawing correction filed on	is: a)□ approved b)□ disappro	oved by the Examiner.	
	If approved, corrected drawings are required in repl	•		
12) 🔲 🏾	he oath or declaration is objected to by the Exa	miner.	•	
Priority u	nder 35 U.S.C. §§ 119 and 120			
13)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	)-(d) or (f).	
a)[	☐ All b) ☐ Some * c) ☐ None of:			
	1. Certified copies of the priority documents	have been received.		
	2. Certified copies of the priority documents	have been received in Application	on No	
	3. Copies of the certified copies of the priorit application from the International Bure ee the attached detailed Office action for a list o	eau (PCT Rule 17.2(a)).	-	
	cknowledgment is made of a claim for domestic	· ·		
	☐ The translation of the foreign language prov			
15)□ A	cknowledgment is made of a claim for domestic	priority under 35 U.S.C. §§ 120	and/or 121.	
Attachment(		. , , , , , , , , , , , , , , , , , , ,	·· · - · ·	
2) 🔲 Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P	(PTO-413) Paper No(s) Patent Application (PTO-152)	
S. Patent and Tra		on Summary	Part of Paper No. 4	
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1. Claims 7 and 10-17 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

It appears that the specification does not have original support for the limitations of "the mechanism moves /scan mechanism precisely the width of a die configured on the wafer from the die to each of all neighboring die across the entire wafer" as recited in claims 7 and 10 and the limitation of "consistent amount equal to a width of a die upon the wafer from the die to each of all neighboring die across the entire wafer" as recited in claim 18.

The dependent claims not specifically address share the same indefiniteness as they depend from rejected base claims.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 18-20 (insofar as understood) are rejected under 35 U.S.C. 102(b) as being anticipated by Ishii et al (Pat # 5,493,236).

As to claim 18, Ishii et al disclose a wafer (20) as shown in figure 1. According to Ishii et al, the front surface of this wafer (20) is configured to receive a probe needle (45) and its backside surface is configured to receive radiation when circuits contained upon the frontside

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surface receive electrical energy from the probe needle, the backside surface emits optical energy from the front side surface depending on defects within or near the frontside surface. It appears that the frontside and backside surfaces of the wafer are moved a pre-defined and consistent amount in the interim by a driving mechanism (43a).

As to claim 19, it appears that the frontside surface is adapted to receive electrical stimuli from the probe needles (45) for affecting optical energy emitted from the backside surface.

As to claim 20, it appears that the backside surface is transducent to optical energy displayed as light or dark areas transferred through the backside surface from the frontside surface so that the defects are detected by the test equipment.

- 4. Claims 1-6 and 8-9 are allowable since the prior art of record does not disclose an integrated circuit having at least one electrically conductive probe needles, an optical scan mechanism arranged above the probe needle and holder for receiving a wafer while presenting a backside surface of the wafer upward to the optical scan mechanism and an opposing frontside surface of the wafer downward to the probe needle.
- 5. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is (703) 305-4914.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4900.

VINH P. NGUYEN

PRIMARY EXAMINER

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08/14/03